

METHOD FOR DRIVING PLASMA DISPLAY PANEL

This application is a continuation of 09/334,623, filed June 17,
1999, now US Patent ~~6,207,436~~
6,707,436

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention relates to a method for driving a plasma display panel (PDP).

The PDP is a self-luminous type display device with a characteristic good discernment (i.e., high resolution) and with a thin and large display screen. The PDP is attracting attention as a display device with which CRTs will be replaced in the near future. In particular, a surface discharge AC type PDP is highly expected to be a display device compatible with high-quality digital broadcasting, because it can be designed to have a large display screen. The surface discharge AC type PDP will be required to provide a higher quality than a CRT.

A high-quality display may be construed as a high-definition display, a display with a large number of gray-scale levels, a high-luminance display, or a high-contrast display. A high-definition display is accomplished by setting the pitch between pixels to a small value. A display with a large number of gray-scale levels is accomplished by increasing the number of sub-fields within a frame. Moreover, a high-luminance display is accomplished by increasing the amount of visible light permitted by certain power or increasing the number of times of sustain discharge. Furthermore, a high-contrast display is accomplished by minimizing the reflectance of extraneous light from the surface of a display panel or minimizing an amount of glow that occurs during black display which does not contribute to the display.

2. Description of the Related Art

The structure of a conventional plasma display panel and a conventional method for driving a plasma